

Climatological Data for August, 1909.
DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

GENERAL CLIMATOLOGICAL CONDITIONS.

The deficiency of precipitation that characterized the conditions of the preceding month continued throughout the month of August, 1909. Although heavy rains occurred along the Atlantic coast and over the coastal watershed the rainfall in the interior was extremely light and the droughty conditions that became manifest at the close of July continued to increase steadily especially over the Delaware and Susquehanna basins.

The month was generally cooler than usual in most parts of the district and killing frosts occurred in exposed localities in New England and New York.

TEMPERATURE.

The average temperature for the month of August for the district as a whole was below the normal. The deficiency was not so pronounced over parts of New England and New York as in Virginia and Delaware where it averaged about 2° per day. The relatively low average temperature can not be traced to the lack of sunshine for there was less cloudiness than usual and the midday temperatures were somewhat higher than the average, but was due directly to the decidedly cool nights that characterized the conditions throughout the month. The unusually low night temperatures may, in a measure at least, be attributed to the increased radiation resulting from the generally dry and cloudless state of the atmosphere during a large part of the month.

There were two well marked warm periods. The first occurred near the close of the first decade and was general over the district, the highest temperatures being generally recorded on the 8th and 9th. During this period temperatures of 100° or over were not uncommon especially in the central and southern parts of the district. At Addison, Steuben County, and Port Jervis, Orange County, N. Y. the maximum temperature reached 102° on the 8th and an equally high reading was observed at Lincoln, Loudoun County, Va. on the same date.

The second warm period occurred during the 24th and 25th, but while temperatures from 90° to 100° were quite general the heat was apparently not so intense as that of the preceding period.

While the night temperatures were uniformly low during the greater part of the month no remarkably cold weather occurred until the beginning of the third decade. Following a week of cool, cloudy weather that was general during the latter part of the second decade the weather cleared and a decided fall of temperature occurred. By the morning of the 22d the temperature had fallen to near the frost point in the more exposed localities of New England, New York, and Pennsylvania. Light frosts were reported from a few points, but the damage was slight.

The most notable cool period occurred on the 31st, when the lowest temperature of the month was recorded at nearly all stations except in the interior of Pennsylvania. Freezing temperatures occurred on this date in Maine, New Hampshire, Vermont, Massachusetts, and New York, the lowest being 20° at Indian Lake, Hamilton County, N. Y. Killing frosts were general in the central and northern parts of New England and in the Adirondack Mountains and over the eastern plateau of New York, and resulted in considerable damage.

PRECIPITATION.

The average precipitation for the district as a whole was 2.97 inches which is about 57 per cent of the normal. The geographical distribution was very uneven, the monthly amounts being generally much greater along the coast from Massachusetts southward to Virginia than in the interior. The uneven distribution was mostly due to the excessive rainfall that accom-

panied the storms that moved up the Atlantic coast (1) during the 4th and 5th and (2) from the 15 to the 17th. Heavy rains occurred with both storms especially over the coastal watershed of New Jersey, New York, and the southern part of New England, but the second storm was most severe and extended to a greater distance into the interior. The heaviest twenty-four-hour rainfall, 6.20 inches, occurred at Scarsdale, Westchester County, N. Y. on the 15th and 16th. This record is, however, closely followed by 6.15 inches at College Farm, New Brunswick County, N. J. Excessive precipitation, 2.50 inches or more in twenty-four hours, was reported from 4 stations in New England, 3 in Pennsylvania, 8 in New York, 21 in New Jersey, 4 in Delaware and Maryland, including the District of Columbia, and 1 in Virginia, nearly all of which, except those in Pennsylvania, are located on the coastal plain.

While there was a general shortage of precipitation, except along the coast as noted, the most important deficiency occurred over the Susquehanna and Delaware watershed, where the total rainfall for the month was only about one third of the normal amount. As a large part of southern New York and the whole of eastern Pennsylvania is included in these watersheds it will be seen that the deficiency which amounts to actual drought in many sections is very widespread. And when the deficiency for the month of August is added to an equal deficiency for the month of July it is easily understood that the conditions have become serious.

Mr. George S. Bliss, Section Director of the Climatological Service of the Weather Bureau for Pennsylvania makes the following statement:

In the Delaware Basin the August rainfall was less than one-third the normal amount, and was very unevenly distributed. As a result a few localities received moderately heavy rains, while in the greater portion of the basin the situation has become alarming. The average deficiency for the month was about 3.25 inches, making a total shortage since July 1 of nearly 6 inches or about 65 per cent. In other words, the Delaware Basin has received a little more than one-third the normal rainfall since July 1. In the north-central part of the State and in all districts east of the Susquehanna River, the streams are the lowest known for many years. In the Delaware Basin and all of the Susquehanna Basin, except a few southwestern counties and a few localities along the northern border, the observers nearly all agree that it has been the driest July and August within memory. Wells and springs are going dry and many people are compelled to haul water long distances. The ground in some places is dry to a depth of 4 feet or more, and the leaves of the trees are drying up and falling. The soil in some places has dried loose and dusty while in other places it is so hard as to render plowing impossible.

In most places east of the Susquehanna River the water for stock and household purposes is as low as at any time last fall. Berks County appears to be the center of the drought-stricken district. The situation, which became so serious and caused so much suffering in the western half of the State last year is being duplicated to an alarming extent in the eastern half of the State this year.

RIVER CONDITIONS.

The rivers and streams, especially in the interior of the district are at an unusually low stage, being as low or lower than at this time last fall. The gagings on the Delaware at Port Jervis, N. Y., ranged from 2.2 feet above the zero of the gage on the 19th to 1.0 feet on the 31st. At Phillipsburg the water stood at zero of the gage on 8 days, while the highest point reached during the month was 0.9 feet. At Harrisburg, on the Susquehanna, the readings ranged from 0.4 to 0.9 feet, which is lower than the readings for the same month last year when the highest was 1.6 feet and the lowest 0.7 feet. At Williamsport and Wilkes-Barre the gagings were also slightly lower than for August, 1908.

MISCELLANEOUS.

A hailstorm of considerable severity, but causing no great damage, occurred over the eastern part of New York on the 20th.

TABLE 1.—Climatological data for August, 1909. District No. 1, North Atlantic States.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Total snowfall unmeasured.	Number rainy days, 0.1 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.							
<i>Maine.</i>																		
Bar Harbor.....	Hancock.....	20	23	64.8	+ 0.3	92	8	37	31	37	1.53	- 1.64	1.15	0.0	3	16	10	5 sw.
Cornish.....	York.....	778	54	66.6	+ 0.4	94	8	37	31	35	2.34	- 2.11	0.73	0.0	12	11	14	6 n.
Eastport.....	Washington.....	53	37	60.2	+ 0.5	78	4	44	31	26	1.61	- 1.65	0.66	0.0	10	7	13	11 s.
Fairfield.....	Somerset.....	90	24	66.4	+ 1.0	94	8	37	31	34	1.17	- 1.90	0.78	0.0	4	18	5	3
Farmington.....	Franklin.....	450	12	64.8	+ 0.1	96	8	33	31	38	2.60	- 1.30	0.80	0.0	11	14	9	8 nw.
Gardiner.....	Kennebec.....	163	17	65.9	- 2.5	97	8	37	31	38	1.59	- 1.66	0.82	0.0	10	21	9	7 sw.
Greenville.....	Piscataquis.....	1,000	5	60.6	.....	89	8	28	31	42	3.00	+ 0.67	0.86	0.0	14	9	16	5 U. S. Weather Bureau.
Houlton.....	Aroostook.....	362	7	64.2	.....	90	9	41	11	39	1.65	- 0.60	0.50	0.0	6	17	2	12 ne.
Lewiston.....	Androscoggin.....	185	35	64.8	- 3.1	94	25	38	31	35	1.25	- 2.03	0.70	0.0	9	15	10	6 nw.
Madison.....	Somerset.....	257	6	66.0	.....	95	97	34	31	39	2.68	+ 0.42	1.55	0.0	7	23	2	6 nw.
Millinocket.....	Penobscot.....	336	8	66.0	.....	97	8	34	31	43	3.07	+ 0.16	1.14	0.0	10	9	12	10 nw.
North Bridgton.....	Cumberland.....	450	16	67.6	+ 0.4	99	8	37	31	38	1.51	- 1.70	0.93	0.0	9	8	18	5 nw.
Orono.....	Penobscot.....	129	40	66.2	+ 0.7	97	8	30	31	43	1.83	- 1.83	1.30	0.0	8	15	9	7 nw.
Patten.....	Penobscot.....	550	7	63.5	.....	92	9	30	31	46	3.91	+ 1.32	1.24	0.0	9	10	3	9 w.
Portland.....	Cumberland.....	98	38	66.2	0.0	94	25	45	31	32	1.68	- 1.59	1.12	0.0	6	7	8	4 nw.
Rumford Falls.....	Oxford.....	505	16	64.8	- 0.9	92	87	37	31	33	1.79	- 1.31	0.90	0.0	6	9	19	8 nw.
Van Buren.....	Aroostook.....	510	7	64.2	.....	95	77	30	31	51	.....	.....	.....	0.0	8	18	1	7 nw.
Winslow.....	Kennebec.....	90	14	65.8	+ 0.1	96	8	32	31	42	1.76	- 0.18	0.85	0.0	7	15	12	4 w.
<i>New Hampshire.</i>																		
Alstead Center.....	Cheeshire.....	1,120	5	63.9	- 4.8	88	8	38	31	30	3.75	- 0.29	1.23	0.0	10	19	6	6 nw.
Benton.....	.....	62.4	.....	86	8	36	31	30	30	3.06	.....	0.54	0.0	10	15	5	11 nw.	
Bethlehem.....	Grafton.....	1,470	17	62.1	- 2.1	88	8	33	31	34	2.34	- 0.59	0.90	0.0	11	15	10	6 nw.
Concord.....	Merrimac.....	350	49	65.6	- 1.0	94	8	36	31	34	2.85	- 0.89	1.33	0.0	9	13	12	6 w.
Durham.....	Stafford.....	38	14	65.8	- 2.2	94	8	35	31	40	2.83	- 0.08	1.87	0.0	4	20	6	5 se.
Franklin.....	Merrimac.....	440	10	65.8	.....	94	8	34	31	38	1.86	- 1.08	0.78	0.0	8	20	7	4 w.
Grafton.....	Grafton.....	863	23	62.6	- 2.1	92	25	28	31	42	1.79	- 1.91	0.63	0.0	7	19	7	5 w.
Hanover.....	Grafton.....	603	16	65.4	- 0.7	94	8	36	31	40	3.38	- 0.02	1.07	0.0	11	10	9	5 nw.
Keene.....	Cheshire.....	506	24	69.8	+ 3.6	95	8	35	31	41	4.20	+ 0.03	1.34	0.0	10	14	12	5 nw.
Nashua.....	Hillsboro.....	125	24	65.4	.....	100	25	30	31	50	2.60	.....	1.00	0.0	5	27	0	4 s.
Newton.....	Rockingham.....	21	64.3	- 2.7	93	8	34	31	36	3.38	+ 0.40	1.62	0.0	5	14	13	4 nw.	
Plymouth.....	Grafton.....	500	21	63.4	- 2.3	92	8	34	31	42	1.60	- 2.50	0.46	0.0	7	19	3	9 w.
West Ossipee.....	Carroll.....	1	65.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0	5	27	0	4 s.
<i>Vermont.</i>																		
Bloomfield.....	Essex.....	2	62.4	.....	91	8	31	31	41	2.05	.....	0.40	0.0	14	17	7	7 a.	
Cavendish.....	Windsor.....	910	6	63.4	.....	94	8	32	31	44	3.83	+ 0.81	1.50	0.0	6	17	5	4
Chelsea.....	Orange.....	1,640	14	61.1	- 2.8	85	8	33	31	31	2.96	- 0.37	1.00	0.0	10	16	4	11 n.
Jacksonville.....	Windham.....	1,000	24	63.0	- 0.1	89	87	31	31	35	4.90	- 0.12	1.25	0.0	9	21	5	5 nw.
Manchester.....	Bennington.....	980	10	62.0	.....	84	87	40	31	31	3.32	- 0.61	0.90	0.0	8	13	13	5 sw.
St. Johnsbury.....	Caledonia.....	711	16	66.8	+ 2.4	100	8	33	31	54	2.47	- 1.58	0.64	0.0	12	20	2	9 n.
Woodstock.....	Windsor.....	700	17	63.4	- 1.9	91	8	34	31	42	3.89	+ 0.50	1.64	0.0	5	10	9	12
<i>Massachusetts.</i>																		
Amherst.....	Hampshire.....	222	20	66.8	- 1.4	94	8	38	31	38	3.80	- 0.50	1.53	0.0	8	14	9	8 nw.
Blue Hill.....	Norfolk.....	640	25	67.4	0.0	93	8	47	31	27	4.22	+ 0.56	2.15	0.0	8	10	11	10 nw.
Boston.....	Suffolk.....	125	39	69.4	+ 0.5	94	8	50	31	26	3.55	- 0.48	2.25	0.0	8	12	12	7 w.
Chestnut Hill.....	Suffolk.....	124	29	71.0	+ 1.4	98	26	41	31	35	4.11	- 0.17	2.72	0.0	6	23	0	8
Clinton.....	Worcester.....	370	13	65.7	.....	90	8	35	30	32	3.00	- 0.37	1.78	0.0	8	16	7	8 se.
Concord.....	Middlesex.....	139	19	65.4	- 2.0	92	8	36	31	35	2.48	- 1.11	1.63	0.0	8	15	10	6 se.
Fall River.....	Bristol.....	200	43	68.4	- 1.8	89	8	50	15	25	2.30	- 0.35	1.68	0.0	7	15	3	3 sw.
Fitchburg.....	Worcester.....	550	28	67.4	- 0.9	94	8	38	31	33	3.08	- 1.32	1.13	0.0	7	19	5	7 w.
Framingham.....	Middlesex.....	160	29	68.0	- 0.8	94	8	40	31	34	2.82	- 1.01	1.76	0.0	8	20	5	5 sw.
Hyannis.....	Barnstable.....	31	13	67.0	- 4.3	90	8	45	31	26	2.26	- 0.67	1.94	0.0	8	23	3	5 sw.
Lawrence.....	Essex.....	51	25	67.0	- 2.6	95	8	45	31	32	1.80	- 1.83	1.00	0.0	8	10	18	3 w.
Lowell.....	Middlesex.....	100	24	69.4	- 0.0	95	8	40	31	33	2.46	- 1.88	0.79	0.0	5	27	0	4 ne.
Middleboro.....	Plymouth.....	53	23	64.6	- 2.9	91	8	36	31	36	2.37	- 1.27	1.30	0.0	8	8	11	12 ne.
Monson.....	Hampden.....	420	25	65.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0	3	13	9	9 sw.
Nantucket.....	Nantucket.....	15	23	67.0	- 1.0	89	8	56	31	23	1.72	- 1.34	1.53	0.0	0	25	1	5
New Bedford.....	Bristol.....	88	97	70.0	+ 1.7	90	8	54	15	24	3.76	+ 1.03	1.55	0.0	5	21	6	4 w.
Norfolk.....	Norfolk.....	244	6	65.8	.....	98	8	28	31	46	3.76	+ 1.03	1.55	0.0	6	18	5	8 nw.
Northampton.....	Hampshire.....	205	1	67.2	.....	90	87	39	31	41	4.82	- 3.20	1.26	0.0	6	18	3	3 e.
Plymouth ^b	Plymouth.....	40	22	69.8	+ 0.6	96	8	53	31	31	1.80	- 1.11	1.19	0.0	5	27	0	4 ne.
Provincetown.....	Barnstable.....	25	7	66.8	+ 0.6	96	55	27	31	25	+ 0.14	1.50	- 1.44	0.0	4	20	6	6 nw.
Rutland.....	Worcester.....	1,160	7	65.1	.....	91	8	46	30	32	4.11	+ 0.30	1.44	0.0	7	20	6	5 sw.
South Egremont.....	Berkshire.....	764	7	64.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0	0	25	1	5
Turners Falls.....	Franklin.....	200	18	68.9	+ 1.3	91	8	47	31	27	4.53	+ 1.31	1.32	0.0	8	.....	.....	.....
Westboro.....	Worcester.....	298	35	69.2	- 0.5	95	87	40	31	40	3.15	- 0.85	1.25	0.0	8	23	8	5 w.
Williamstown.....	Berkshire.....	711	28	64.8	- 0.5	87	8	42	22	34	5.37	+ 1.05	2.31	0.0	8	15	8	8 w.
Worcester.....	Worcester.....	518	17	68.2	- 0.7	92	8	47	31	27	2.29	- 0.86	0.84	0.0	9	14	10	7 nw.
<i>Rhode Island.</i>																		
Block Island.....	Newport.....	26	29	68.0	- 0.7	97	8	58	22	19	1.71	- 1.77	1.28	0.0	7	19	4	8 sw.
Bristol.....	Bristol.....	53	23	69.4	+ 0.1	92	8	54	15	21	2.40	- 0.88	1.95	0.0	4	23	4	5 sw.
Kingston.....	Washington.....	250	20	67.0	- 1.6	93	8	50	23	29	3.20	- 1.52	1.43	0.0	4	18	8	5 w.
Narragansett Pier.....	Newport.....	22	27	67.2	- 1.7</td													

TABLE 1.—Climatological data for August, 1909. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.								
New York—Cont'd.																			
Bedford.	Westchester.	450	11	70.2	+ 0.4	97	8	44	31	35	6.21	+ 0.64	2.78	0.0	10	17	9	5	Dr. L. Rosenberg.
Binghamton.	Broome.	875	18	65.6	- 1.0	94	8	38	31	39	2.52	- 0.83	1.20	0.0	7	10	8	13	U. S. Weather Bureau.
Bouckville.	Madison.	1,350	12	64.7	- 0.8	90	8	36	31	37	1.97	- 2.01	0.69	0.0	8	13	13	5	L. W. Griswold.
Boys Corners.	Putnam.	580	27								7.55	+ 2.45							Thomas Manning.
Carmel.	Putnam.	500	17	66.5	- 3.4	92	8	42	31	32	6.76	+ 1.94	3.49	0.0	6	23	2	6	Morton R. Tank.
Chatham.	Columbia.	470	9	66.7	- 2.0	92	25	42	31	33	3.72	- 0.46	2.00	0.0	10	18	6	n.	G. Pomeroy Keese.
Cooperstown.	Otsego.	1,250	55	63.4	- 2.0	86	37	36	31	34	3.87	- 0.46	2.98	1.00	8	16	8	7	A. M. Hollister.
Corinth.	Saratoga.	542	7								2.62								F. G. Baker.
Cortland.	Cortland.	1,129	47	66.3	+ 1.3	93	8†	37	31	38	2.15	- 1.90	1.12	0.0	6	24	4	3	Wm. A. Fleet.
Cutchogue.	Suffolk.	32	32	69.4	- 1.0	92	8	48	31	30	3.47	- 0.20	1.30	0.0	7	18	9	4	B. D. Crandall.
De Ruyter.	Madison.	1,300	6	65.5		95	8	36	31	43	2.05		0.85	0.0	5	21	3	7	H. Taber.
Easton.	Washington.		19								3.74	- 0.31							Gerty Bros.
Elmira.	Chemung.	863	27	69.6	+ 0.5	98	8	42	23	44	2.61	- 0.92	0.89	0.0	8	18	8	5	C. E. Wing.
Fort Hunter.	Montgomery.	290									2.30								Abram Devendorf.
Fort Plain.	Montgomery.	316	5	68.7		93	8†	42	31	32	3.50		1.35	0.0	8	22	5	4	Prof. C. L. Williams.
Glen Falls.	Warren.	340	15	67.4	- 0.1	93	8	39	31	36	2.86	- 1.22	0.70	0.0	7	13	9	4	W. L. McLean.
Gloversville.	Fulton.	850	17	64.4	- 0.7	90	8	35	31	35	2.93	- 1.46	1.45	0.0	7	12	15	4	S. E. Darrow.
Greenfield Center.	Saratoga.	314	11	66.4	- 1.2	92	8	39	31	38	2.20	- 1.95	0.72	0.0	7	17	9	5	I. V. H. Gill.
Greenwich.	Washington.	425	12	69.1	+ 1.7	97	8	42	31	38	2.87	- 0.79	1.05	0.0	10	16	11	4	Sylvenus Kelly.
Griffin Corners.	Delaware.	2,260	9	62.6		91	8	33	31	44	1.48		0.52	0.0	6	19	4	8	Daniel B. Van Eaten.
Hancock.	Steuben.		9								2.62				7				W. G. Collins.
Hoosick Falls.	Rensselaer.	410									2.82	- 0.23	1.32	0.0	6				Sanford L. Cluett.
Indian Lake.	Hamilton.	1,705	10	62.2	0.0	99	8	20	31	54	2.15	- 1.28	1.40	0.0	6	16	6	9	Lester Sevier.
Jeffersonville.	Sullivan.	1,240	6	64.4		95	8	37	31	39	3.94		1.97	0.0	7	19	8	4	Chas. Wilbert, Jr.
Lake Pleasant.	Hamilton.										2.15		1.20	0.0	3				Willet Lawrence.
Liberty.	Sullivan.	2,300	23	65.1	+ 0.7	91	8	45	30	36	4.67	+ 0.20	1.68	0.0	7	19	4	8	Dr. H. M. King.
Little Falls.	Herkimer.	924	11	65.6	- 1.3	90	8†	41	31	32	2.98	- 0.72	1.07	0.0	6	20	7	4	A. K. Smiley.
Mohonk Lake.	Ulster.	1,345	13	65.7	- 1.4	86	9†	46	31	33	6.34	+ 0.62	2.75	0.0	7	23	1	7	Theodore C. Remonda.
Morehouseville.	Hamilton.	1,697	1								3.44	22†	2.18	0.0	7	15	9	7	Wm. A. Cornelius.
Mount Hope.	Westchester.	200	12	68.4	- 2.1	96	8	42	31	38	7.14	+ 1.66	2.70	0.0	6	10	15	6	M. D. Clinton.
Newark Valley.	Tioga.	825	10								2.51	2.18	0.70	0.0	7	24	3	4	Roger Greene.
New Berlin.	Chenango.		2								3.98		2.18	0.0	8	19	4	8	n.
New Lisbon.	Otsego.	1,234	19	61.5	- 2.1	91	8	32	31	42	4.69	- 0.36	2.48	0.0	6	17	6	8	G. A. Yates.
New York City.	New York.	314	84	71.6	- 0.6	93	9	58	4	21	7.94	+ 3.41	5.05	0.0	9	13	10	8	U. S. Weather Bureau.
North Creek.	Warren.	1,002	1	64.2		92	8	36	31	36	2.48		1.41	0.0	5	23	6	3	W. G. Kenwell.
Northville.	Fulton.	742	7								2.62		1.35	0.0	7	15	9	7	P. C. Pickard.
Norwich.	Chenango.	1,015	3	73.2		93	8	34	31	38	2.76		1.38	0.0	8	21	4	6	H. S. Hopkins.
Oneonta.	Otsego.	1,112	15	60.8	- 0.9	96	8	37	31	38	2.95	- 2.33	1.06	0.0	7	21	4	6	H. W. Lee.
Oxford.	Chenango.	916	44	64.0	- 1.6	89	8	36	31	35									John P. Davis.
Port Jervis.	Orange.	470	25	68.8	- 0.3	102	8	42	31	41	2.39	- 2.15	1.02	0.0	8	16	8	7	Prof. John M. Dolph.
Salisbury.	Herkimer.	1,526	12	64.6	- 0.3	89	8	37	31	36	4.42	- 0.60	2.50	0.0	8	21	2	4	Joseph Ryan.
Salsbury Mills.	Orange.	314	10	68.2	- 1.1	64	8	46	23	39	5.63	+ 0.81	2.47	0.0	6	25	2	4	H. P. Ramsell.
Scarsdale.	Westchester.	200	5	68.2		92	8†	46	31	38	8.78		6.20	0.0	5	18	10	3	G. H. Wilmart.
Setauket.	Suffolk.	40	24	68.6	- 2.0	88	8†	52	31	22	4.88	+ 0.33	1.47	0.0	9	20	4	7	Selah B. Strong.
Sherburne.	Chenango.		2								1.97		0.89	0.0	6				E. B. Collins.
Southampton.	Suffolk.	36	8	68.8		89	8†	53	15†	34	3.67		2.24	0.0	7	21	7	3	W. L. Jagger.
Southeast Reservoir.	Putnam.	310	14								6.61	+ 1.06							Thomas Manning.
Spiers Falls.	Saratoga.	400	8	65.4		91	8†	39	31	37	2.95		0.68	0.0	6	21	5	5	W. F. Anderson.
Trenton Falls.	Oneida.	751	6								2.50		1.20	0.0	8	15	3	13	C. W. Young.
Tribeshill.	Montgomery.	268									2.10		1.10	0.0	6	21	4	6	R. S. Marshall.
Utica.	Oneida.	537	4								3.60		2.03	0.0	8				W. E. Young.
Wading River.	Suffolk.	112	3	68.4		94	8	44	31	35	6.37		1.70	0.0	8	22	3	6	H. B. Fullerton.
Wappingers Falls.	Dutchess.	110	19	67.4	- 2.9	89	9	46	31	28	6.47	+ 1.35	2.56	0.0	9	16	11	4	H. C. Townsend.
Warwick.	Orange.	538	9								3.68	- 1.16	1.55	0.0	7				John W. Sly.
Waverly.	Tioga.	824	27	66.8	- 0.6	100	8	36	22	50	3.33	- 0.22	1.04	0.0	8	11	12	8	Hon. J. F. Shoemaker.
West Berne.	Albany.	936	12	64.3	- 2.7	93	8†	32	31	42	2.57	- 1.29	0.74	0.0	7	16	9	6	W. J. Haverly.
West Point.	Orange.	167	80	70.2	- 2.0	93	9	47	31	29	4.50	- 0.71	1.50	0.0	6	17	9	5	Maj. Chas. M. Gandy.
Windham.	Greene.	1,520	10	62.9		89	8	33	31	39	2.60		0.81	0.0	7	15	12	4	A. R. Mott.
<i>Pennsylvania.</i>																			
Altoona.	Blair.	1,181	21								1.17		0.69	0.0	5				Dr. C. B. Dudley.
Bellefonte.	Center.	826	8	72.6*	+ 1.6	99	9	42	21	47*	2.47	- 1.67	1.90	0.0	8	17	8	6	Fred Kurtz.
Center Hall.	Center.	1,272	10	69.4	+ 0.2	94	8†	42	22	43	2.55	- 1.98	1.67	0.0	6	12	7	12	S. W. Smith.
Clearfield.	Clearfield.	1,107	1	67.4		97	8	40	15†	44	2.11		0.82	0.0	7	23	0	8	Raymond C. Ogden.
Coatesville.	Chester.	380	21	71.7	- 1.0	99	9	45	23†	43	4.46	- 4.02	0.38	0.0	4	15	12	4	W. T. Gordon.
Drifton.	Luzerne.	1,633	11	64.5	- 2.5	94	9	41	22	44	1.76	- 2.40	0.90	0.0	10	17	9	5	Eckley B. Cox, Jr.
Dushore.	Sullivan.	1,590	11	67.6	+ 1.5	94	8	34	15	44	1.64	- 2.90	0.90	0.0	3	19	7	5	Dr. J. D. Benjamin.
Easton.	Northampton.	325	26	89.4	- 2.2	94	9	48	22	37	1.51	- 2.25	0.83	0.0	6	19	16	6	J. W. Colliton.
Emporium.	Cameron.	1,050	22	66.4	- 1.8	92	8	40	22†	37	0.96	- 2.77	0.83	0.0	6	16	11	4	T. B. Lloyd.
Ephrata.	Lancaster.	384	9	70.8	- 1.3	98	9†	45	23	47	0.87	- 4.41	0.37	0.0	4	19	5	7	W. L. Frantz.
Everett.	Bedford.	1,080	11	69.4*	- 0.1	95*	8	43	23	38	3.90	- 0.95	1.73	0.0	8</				

TABLE 1.—Climatological data for August, 1909. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Total snowfall unmelted.	Number of rainy days.	Sky.	Prevailing wind direction.	Observers.			
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.								
Pennsylvania—Cont'd.																			
Scranton.	Lackawanna.	805	9	67.8	-1.5	95	25	47	32	38	1.22	-3.03	0.35	0.0	11	13	8	10	ne.
Selinsgrove.	Snyder.	455	21	70.5	-1.0	97	8	42	23	42	1.74	-2.78	1.47	0.0	6	0	23	8	se.
State College.	Center.	1,191	21	66.2	-2.5	92	8†	44	29	34	4.10	-0.13	2.61	0.0	8	20	1	7	w.
Towanda.	Bradford.	734	14	67.0	-1.5	95	8	39	31	45	2.22	-1.38	0.46	0.0	8	23	15	5	sw.
Wellsville.	Tioga.	1,327	32	66.6	+0.4	96	8	36	22	47	1.51	-1.89	0.99	0.0	3	11	15	8	sw.
West Chester.	Chester.	455	55	71.9	0.0	96	9	51	22	33	1.80	-2.73	1.76	0.0	3	15	8	8	sw.
Wilkes-Barre.	Luzerne.	575	24	69.4	-0.7	97	8	40	28	50	1.26	-2.72	0.82	0.0	4	9	9	13	se.
Williamsport.	Lycoming.	530	19	70.8	+0.6	94	8†	45	22	36	1.40	-2.66	0.65	0.0	5	20	3	8	nw.
New Jersey.																			
Asbury Park.	Monmouth.	22	21	70.5	-1.6	95	9	55	31	24	6.80	+1.93	3.26	0.0	8	14	7	10	ne.
Atlantic City.	Atlantic.	16	36	70.9	-1.7	86	10	55	5	23	2.95	+1.35	2.40	0.0	5	14	5	12	sw.
Bayonne.	Hudson.	50	19	70.6	-3.1	95	9	51	31	28	6.98	+2.07	4.01	0.0	9	13	10	8	se.
Belvidere.	Warren.	259	19	68.3	-3.2	94	8†	44	31	36	1.88	-2.91	0.62	0.0	6	14	10	7	se.
Bergen Point.	Hudson.	37	12	70.2	-2.1	94	9	53	31	30	8.13	+2.04	4.73	0.0	8	14	9	8	se.
Boonton.	Morris.	413	19	72.2	-3.4	96	9	49	22†	38	2.43	-2.03	1.63	0.0	3	16	8	7	ne.
Bridgeton.	Cumberland.	30	34	72.2	-3.4	96	9	49	22	38	2.44	-2.33	1.66	0.0	5	14	10	7	nw.
Burlington.	Burlington.	12	25							2.59	-3.31	1.65	0.0	5	14	10	7		
Canton.	Salem.	24	15							2.59	-3.31	1.65	0.0	5	14	10	7		
Cape May City.	Cape May.	17	25	70.7	-2.7	84	10†	56	22	16	4.33	+0.07	2.90	0.0	7	12	13	6	ne.
Cape May C. H.	Cape May.	19	22	71.2	-2.2	89	9	55	11†	23	3.16	-0.68	2.40	0.0	4	11	10	7	se.
Charlotteburg.	Passaic.	719	17	66.3	-1.7	97	8	34	31	41	5.14	+0.40	0.0	0	6	15	8	8	s.
Chatham.	Morris.	234	7							5.14	-0.40	0.0	0	6	15	8	8	se.	
Clayton.	Gloucester.	126	18	71.6	-1.8	96	9	50	31	39	1.63	-3.75	0.88	0.0	4	15	7	9	nw.
College Farm.	Middlesex.	100	14	70.6	-1.8	97	9	49	31	34	9.07	+3.72	6.15	0.0	6	13	9	8	se.
Culver's Lake.	Sussex.	848	8							3.16	-0.68	1.49	0.0	0	14	9	8	s.	
Dover.	Morris.	575	25	68.8	-2.6	94	8	40	31	37	4.63	-0.38	0.0	0	8	13	10	8	se.
Elizabeth.	Union.	33	30	71.6	-2.0	94	9	53	31	31	5.87	+1.38	0.0	0	9	14	9	8	se.
Englewood.	Bergen.	135	23							5.87	+1.38	0.0	0	9	14	9	8	se.	
Flemington.	Hunterdon.	187	21	71.4	-1.2	98	8†	47	31	39	3.05	-1.47	2.82	0.0	7	18	6	7	e.
Freehold.	Monmouth.	187	28							3.05	-1.47	2.82	0.0	7	18	6	7		
Friesburg.	Salem.	100	18	71.1	-2.6	96	9	49	31	40	2.31	-2.57	1.48	0.0	6	15	8	8	sw.
Haddonfield.	Camden.	75	1	71.4	-2.2	97	9	49	31	39	1.97	-2.75	1.38	0.0	3	15	8	8	sw.
Hammonston.	Atlantic.	80	12	70.5	-2.1	98	9	47	31	39	5.30	+0.84	3.03	0.0	7	15	8	8	sw.
Hightstown.	Monmouth.	106	23							5.30	-0.84	3.03	0.0	7	15	8	8	sw.	
Indian Mills.	Burlington.	76	9	70.6	-2.3	96	9	46	31	45	4.78	-1.57	0.0	0	4	13	10	8	se.
Jersey City.	Hudson.	15	4	72.8		96	9	53	31	29	7.18	-4.75	0.0	0	9	13	11	7	se.
Lakewood.	Ocean.	54	8	69.1		97	9	44	31	34	6.92	-3.00	0.0	0	6	16	7	8	sw.
Lambertville.	Hunterdon.	95	23	70.4	-2.2	96	8†	46	31	34	4.17	-0.48	2.89	0.0	6	16	7	8	sw.
Layton.	Sussex.	550	10	66.0	-2.2	97	8	38	22	45	1.70	-2.26	0.97	0.0	5	14	9	8	s.
Little Falls.	Passaic.	175	7							3.29	-2.13	2.70	0.0	5	14	9	8	se.	
Long Branch.	Monmouth.	30	1	70.6		90	9	52	31	27	8.17	-3.28	0.0	0	7	14	9	8	sw.
Mahwah.	Bergen.	312	7							8.17	-3.28	0.0	0	7	14	9	8	sw.	
Moorestown.	Burlington.	71	47	71.4	-1.1	96	9	50	31	35	2.28	-2.53	1.57	0.0	5	19	4	3	nw.
Newark.	Essex.	140	65	71.0	-1.7	95	8	50	31	30	6.57	+1.35	4.53	0.0	8	12	10	9	se.
New Brunswick.	Middlesex.	61	56	69.8	-2.7	97	8	48	22	38	6.00	+0.93	5.10	0.0	5	16	6	9	nw.
Newton.	Sussex.	678	30	68.3	-1.7	96	8	42	31	38	3.45	-1.12	1.61	0.0	8	18	6	7	nw.
Northfield.	Atlantic.	1								3.45	-1.12	1.61	0.0	5	15	6	7		
Oceanic.	Monmouth.	16	23	70.4	-2.6	92	9	52	31	28	(2.94)	+7.92	5.05	0.0	9	15	9	7	se.
Paterson.	Passaic.	110	39	70.0	-2.1	96	8	48	31	32	5.18	+0.05	3.12	0.0	9	12	11	8	se.
Philipsburg.	Warren.	106	7	70.0	-1.7	97	25	46	31	39	1.41	-3.43	0.70	0.0	7	15	8	8	e.
Plainfield.	Union.	100	22	70.2	-2.6	99	8	47	31	36	6.37	+1.13	5.16	0.0	7	10	16	5	ne.
Pleasantville.	Atlantic.	26	11							3.29	-2.13	2.70	0.0	5	15	6	7		
Pompton Plains.	Morris.	195	7							3.29	-2.13	2.70	0.0	5	15	6	7		
Port Norris.	Cumberland.	8	1							2.19	-2.90	1.25	0.0	5	15	6	10	nw.	
Rancocas.	Burlington.	68	46							2.19	-2.90	1.25	0.0	5	15	6	10	nw.	
Rivervale.	Bergen.	70	18							2.19	-2.90	1.25	0.0	5	15	6	10	nw.	
Runyon.	Middlesex.	18	3							8.17	-3.28	0.0	0	6	15	8	8	se.	
Somerville.	Somerset.	76	30	71.4	-1.3	100	8†	46	31	36	4.78	-0.07	3.30	0.0	7	18	5	8	se.
South Orange.	Essex.	200	40	68.8	-2.2	93	9	48	31	26	6.45	+1.08	4.72	0.0	8	16	9	8	sw.
Sussex.	Sussex.	443	19	68.0	-1.9	95	8	43	31	35	3.36	-1.02	1.70	0.0	7	15	8	8	sw.
Tronton.	Morristown.	60	49	71.0	-3.5	93	9	53	31	30	4.98	-0.58	3.20	0.0	6	14	10	7	sw.
Tuckerton.	Ocean.	23	16	70.3	-2.7	93	8†	45	31	41	3.20	-2.46	2.10	0.0	4	14	9	8	sw.
Vineland.	Cumberland.	118	42							3.29	-2.13	2.70	0.0	5	15	6	7		
Woodbine.	Cape May.	43	18							3.29	-2.13	2.70	0.0	5	15	6	7		
West Virginia.	Grant.	2,500	6	64.8		87	8	37	22	43	4.96	-1.92	1.92	0.0	13	16	9	5	w.
Burlington.	Mineral.	875	13	70.2	-1.3	98	8	42	22†	44	2.55	-1.09	0.67	0.0	4	10	17	4	nw.
Franklin.	Pendleton.	3		69.0		90	25†	44	22	36	1.62	-0.75	0.78	0.0	9	19	8	4	w.
Lost City.	Berkeley.	435	18	71.8	-1.2	98	9	49	22	39	2.89	-0.75	1.52	0.0	6	19	6	6	nw.
Martinsburg.	Hardy.	900	13	70.9	-1.9	99	25	41	22	48	2.34	-1.33	0.75	0.0	8	12	17	7	se.
Romey.	Hampshire.	824	13	70.5		98	8	43	22	42	0.72	-3.44	0.40	0.0	3	20	2	9	w.
Upper Tract.	Pendleton.	1,230	11	69.6	-1.9	94	25	41	22	44	1.50	-2.91	0.67	0.0	9	10	6	6	w.
Maryland.	Anne Arundel.	45	31	74.4	-2.2	95	9	58	23	35	3.80	-1.07	1.50	0.0	8	20	4	7	ne.
Baltimore Valley.																			

TABLE 1.—*Climatological data for August, 1909. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>Maryland—Cont'd.</i>																			
Laurel.....	Prince George.....	150	15	71.1	- 2.9	97	9	47	22	40	1.21	- 3.35	0.48	0.0	7	13	14	4	....
Monrovia.....	Frederick.....	630	22	72.3	- 1.1	96	8	54	11 [†]	34	2.78	- 1.80	1.80	0.0	5	15	9	7	ne.
Ocean City [‡]	Worcester.....	10	73.6	.....	91	9	55	22	21	5.19	.....	3.18	0.0	4	.....	.....	.....	.....	.....
Pocomoke City.....	Worcester.....	37	16	73.6	- 2.4	89	9 [†]	56	23	25	4.73	+ 0.74	2.48	0.0	5	19	8	4	sw.
Porto Bello.....	St. Marys.....	38	4	75.1	.....	96	9	60	30	27	3.70	.....	1.92	0.0	3	23	6	2	se.
Princess Anne.....	Somerset.....	17	16	71.0	- 2.7	87	9	50	23	30	6.40	+ 1.35	2.60	0.0	7	5	19	7	sw.
Rockville.....	Montgomery.....	421	2	71.2	.....	92	9	52	22	25	3.92	.....	2.10	0.0	7	20	4	7	....
Salisbury.....	Wicomico.....	23	4	73.4	.....	92	9	55	5 [†]	33	4.44	.....	1.92	0.0	7	17	11	3	sw.
Sanatorium.....	Frederick.....	1	69.8	.....	93	8 [†]	42	11	39	2.24	.....	0.62	0.0	7	17	6	8	sw.	
Solomons.....	Calvert.....	20	18	74.8	- 2.4	94	9	63	5 [†]	25	4.61	+ 0.80	1.40	0.0	11	3	12	6	sw.
Sudlersville.....	Queen Annes.....	65	10	71.0	- 2.7	97	9	48	23	40	1.61	.....	0.82	0.0	4	20	5	6	e.
Takoma Park.....	Montgomery.....	320	11	71.6	- 1.6	85	10	52	11	35	1.40	- 3.83	0.70	0.0	8	19	12	0	....
Taneytown.....	Carroll.....	450	10	70.4	- 3.2	97	9	45	23	39	3.02	- 1.00	1.62	0.0	8	22	5	4	se.
Towson.....	Baltimore.....	475	1	72.1	.....	98	9	49	22	39	1.09	.....	0.62	0.0	6	21	3	7	se.
Van Bibber.....	Harford.....	100	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Westernport.....	Allegany.....	1,000	15	71.0	- 0.5	95	8	46	23 [†]	41	4.19	+ 0.78	1.76	0.0	13	.....	.....	.....	.....
Woodstock.....	Baltimore.....	392	35	72.6	+ 0.3	94	17	49	23	35	0.85	- 3.29	0.45	0.0	5	16	7	8	nw.
<i>District of Columbia.</i>																			
Washington.....	District of Columbia.....	112	39	73.0	- 1.5	90	9	53	29	30	2.27	- 2.13	1.42	0.0	12	13	13	5	n.
<i>Delaware.</i>																			
Delaware City.....	New Castle.....	10	7	72.0	.....	94	9	54	5	28	1.61	.....	1.05	0.0	3	26	3	2	sw.
Dover.....	Kent.....	40	21	72.3	- 1.5	94	9	51	23	35	2.83	- 1.27	1.19	0.0	3	14	9	8	nw.
Milford.....	Kent.....	20	25	72.4	- 2.4	93	9	52	23	33	2.52	- 1.02	1.64	0.0	6	17	8	6	sw.
Millboro.....	Sussex.....	20	17	72.1	- 2.4	93	27 [†]	48	23	38	5.16	+ 0.08	3.25	0.0	5	22	0	9	nw.
Seaford.....	Sussex.....	40	16	.....	.....	.....	.....	51	23	31	2.73	- 1.29	1.35	0.0	5	20	7	4	sw.
<i>Virginia.</i>																			
Culpeper.....	Culpeper.....	450	....	72.8	.....	97	9	50	23	37	2.66	.....	0.85	0.0	9	17	5	n.	
Dale Enterprise.....	Rockingham.....	1,350	30	70.8	- 1.5	97	9 [†]	41	23	47	1.84	- 2.28	0.71	0.0	12	11	16	4	s.
Dowell.....	Hanover.....	134	8	73.4	.....	96	10 [†]	49	23	35	6.35	.....	1.86	0.0	8	16	10	5	s.
Fredericksburg.....	Spotsylvania.....	100	20	73.1	- 2.6	95	9	50	23	39	5.33	+ 0.78	2.00	0.0	10	16	9	6	se.
Lincoln.....	Loudon.....	500	8	73.8	+ 0.8	102	9	44	23	45	2.84	- 2.42	1.30	0.0	7	15	11	5	nw.
Mt. Weather.....	Loudon.....	1,726	5	68.8	- 0.2	90	9	52	22	20	2.64	- 2.44	1.19	0.0	10	13	11	7	nw.
Nokesville (near).....	Fauquier.....	350	5	71.7	.....	94	9	51	23	35	2.97	.....	1.43	0.0	5	11	14	6	....
Quintico.....	Prince William.....	18	12	73.3	- 1.3	94	9	49	23	34	1.58	.....	1.34	0.0	3	23	0	3	ne.
Shenandoah.....	Page.....	937	8	.....	.....	.....	.....	.....	.....	.....	4.90	+ 0.90	1.14	0.0	11	23	5	3	sw.
Staunton.....	Augusta.....	1,380	17	71.2	- 2.1	94	27	48	23	40	3.26	- 0.67	0.94	0.0	9	17	5	5	....
Stephens City.....	Frederick.....	710	17	72.3	- 2.0	98	25 [†]	45	23	40	2.48	- 1.34	0.78	0.0	7	23	3	5	e.
Warsaw.....	Richmond.....	160	17	71.8	- 4.0	90	26	51	23	29	7.09	+ 2.77	2.90	0.0	10	12	17	2	s.
Woodstock.....	Shenandoah.....	927	13	71.2	- 2.7	96	8 [†]	47	23	41	3.45	- 0.60	1.15	0.0	10	20	7	4	w.

- * Precipitation included in that of the next measurement.
- Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
- † Also on other dates.
- ‡ Data are from standard instruments not supplied by the U. S. Weather Bureau.
- § Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
- || Estimated by observer.
- ¶ Precipitation for the 24 hours ending on the morning when it is measured.
- T Precipitation is less than 0.01 inch rain or melted snow.
- *, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

TABLE 2.—*Daily precipitation for August, 1909. District No. 1, North Atlantic States.*

Stations.	River basins.	Day of month.																														Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Maine.																																		
Bar Harbor.	Coast.					T.		T.		T.	T.																							1.53
Cornish.	Saco.	.29	.01																														2.34	
Danforth.	Penobscot.					.30		.60	.03																							1.95		
Debsconeag.	do.					.12		.34	.11																							3.04		
Eastport.	Coast.	T.	.01			.28	.06	.61	.05																							1.61		
Fairfield.	Kennebec.																																1.17	
Farmington.	do.					.02	.07		.07	.03	T.																					2.60		
Gardiner.	do.					.05																											1.59	
Greenville.	T.	.04				.02	.94	.30	T.																							3.00		
Houlton.	do.					.50																											1.65	
Lewiston.	St. John.					.12	T.																										1.25	
Madison.	Androscoggin.																																1.25	
Millinocket.	Kennebec.					.21																											2.68	
North Bridgeton.	Penobscot.					.14																											3.07	
Orono.	Saco.																																1.51	
Oquossoc.	Penobscot.					.30																											1.82	
Patten.	Androscoggin.																																	2.60
Portland.	Penobscot.					.12																											3.91	
Rumford Falls.	Coast.					.14	.09																									1.68		
The Forks.	Androscoggin.																																1.79	
Van Buren.	Kennebec.					.10																											3.35	
Winslow.	St. John.					.03																											1.76	
New Hampshire.	Kennebec.																																	1.76
Alstead Center.	Connecticut.	.04				.41	.05																										3.75	
Benton.	do.					T.	.54																										3.06	
Bethlehem.	do.					.18	.30																									3.24		
Brookline.	Merrimac.					.85																											3.41	
Concord.	do.					.1.04	.01																									2.85		
Durham.	do.					.80	.14																									2.83		
Franklin.	do.					.01																											1.86	
Grafton.	do.					.78																											1.79	
Hanover.	Connecticut.	.1.07	.05			T.	.05																									3.38		
Keene.	do.					T.	.45	.33																								4.20		
Nashua.	Merrimac.					.99																											3.38	
Newton.	do.					.46	T.																										1.60	
Plymouth.	do.					.30																											2.60	
West Ossipee.																																		
Vermont.																																		
Bloomfield.	Connecticut.					T.	.20																										2.05	
Cavendish.	do.					.1.50		T.																								3.83		
Chelsea.	do.					1.00	.15																									2.96		
Jacksonville.	do.					1.25	.01																									3.90		
Manchester.	Hudson.	.22				90	T.																										3.32	
St. Johnsbury.	Connecticut.					.03	.64																									2.49		
Woodstock.	do.					1.84																										3.89		
Massachusetts.																																		
Amherst.	Connecticut.					.21	.70	.02																								3.80		
Ashland.	Merrimac.					.61																											2.74	
Bakers Bridge.	do.					.67																											3.08	
Bedford.	do.					T.	.47	.06																								2.26		
Blue Hill.	Coast.					T.	.69	.26																								4.22		
Boston.	do.					.04	.76	.05																							3.55			
Chestnut Hill.	do.					.55	.40																									4.11		
Clinton.	Merrimac.					* .93																										3.09		
Concord.	do.					T.	.46	.06																								2.48		
Fall River.	Coast.					.10	.30	.10																							2.30			
Fitchburg.	Merrimac.					T.	.82	.04																								2.82		
Framingham.	do.					* .63																										2.45		
Haverhill.	do.					.63	.06																									3.63		
Hingham.	Coast.					T.	.84																									2.26		
Hyannis.	do.					T.	.15	.15																								4.22		
Jefferson.	Merrimac.					1.27																										2.84		
Lake Coohituate.	do.					* .75																										1.80		
Lawrence.	do.					.53	.02																									3.15		
Leominster.	do.					T.	.65	.07																								2.46		
Lowell.	do.					.78	</td																											

TABLE 2.—*Daily precipitation for August, 1909. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for August, 1909. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for August, 1909. District No. 1—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, August, 1909. District No. 1, North Atlantic States.

Date.	Maine.										Massachusetts.										Connecticut.									
	Eastport.		Greenville.		Orono.		Portland.		Rumford Falls.		Van Buren.		Concord, N. H.		Amherst.		Boston.		Middleboro.		Nantucket.		Providence, R. I.		Green Hill.		Hartford.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1..	74	52	73	41	52	46	74	61	76	50	86	41	50	56	81	60	73	65	74	54	79	62	78	61	74	56	78	63		
2..	78	52	78	38	53	43	76	55	80	48	51	51	50	86	51	75	62	79	48	73	60	82	55	76	59	82	58			
3..	76	55	83	41	89	47	79	55	55	84	51	93	42	83	50	83	50	76	60	78	42	73	57	76	54	80	56			
4..	78	55	82	44	90	47	75	59	82	54	94	47	79	51	80	59	73	61	77	46	72	56	70	50	76	57				
5..	69	53	74	46	86	47	64	58	73	56	87	50	65	59	66	55	67	62	70	64	70	62	70	61	54	66	56			
6..	62	53	82	58	87	48	70	60	82	55	92	58	81	60	81	60	73	60	75	61	69	63	75	60	73	53	79	61		
7..	63	51	85	53	91	59	76	59	59	59	95	57	88	58	91	55	80	65	85	54	79	63	89	64	85	59	88	64		
8..	76	53	89	55	97	56	91	67	93	62	95	54	94	60	94	59	94	71	91	58	89	66	95	68	90	64	93	65		
9..	76	60	76	61	94	65	86	66	72	81	64	95	57	87	61	88	74	87	61	79	67	86	72	86	70	87	70	87		
10..	64	51	68	52	84	56	75	58	71	58	83	50	72	55	79	56	78	62	79	61	75	65	79	62	71	56	79	62		
11..	65	48	71	48	75	48	76	54	76	53	77	41	76	53	79	48	77	58	75	51	69	60	75	56	74	50	75	55		
12..	71	60	75	36	83	42	79	55	73	48	82	40	73	46	83	44	80	59	80	44	78	60	79	55	72	57	80	50		
13..	66	51	74	43	84	49	79	57	75	51	80	41	75	54	79	59	73	62	72	48	74	53	72	60	70	54	77	62		
14..	68	50	76	41	84	47	63	58	76	56	82	42	77	52	80	58	71	60	76	45	71	57	78	56	71	56	78	58		
15..	70	48	76	41	84	43	68	53	76	46	.....	75	44	80	47	70	57	76	42	70	56	75	51	69	50	70	50		
16..	72	48	70	44	79	37	63	58	64	52	82	33	64	56	62	54	68	62	70	51	69	56	67	60	66	56	68	57		
17..	62	53	68	47	74	48	59	55	66	52	77	44	62	54	60	54	63	57	61	54	65	57	60	54	62	53	64	53		
18..	59	53	63	58	71	53	62	57	66	59	71	55	65	68	71	58	68	63	59	67	62	68	58	64	57	62	57			
19..	63	53	76	57	77	60	80	62	80	62	80	60	82	62	82	56	83	62	82	56	75	62	83	61	84	61	84	61		
20..	71	54	78	47	85	56	78	63	78	58	80	50	84	53	82	56	87	66	84	52	80	63	86	64	84	61	84	61		
21..	68	52	84	53	84	54	75	58	69	51	80	49	74	55	78	52	74	60	75	53	71	63	78	50	81	51	77	58		
22..	70	51	71	35	76	42	70	54	72	46	80	49	78	45	73	57	72	47	68	57	73	60	74	45	74	50	70	50		
23..	71	49	76	44	83	47	75	55	78	52	80	50	80	48	84	52	83	59	81	46	75	57	65	56	82	52	84	54		
24..	73	54	78	41	82	47	75	62	80	54	82	44	74	44	85	42	72	46	71	57	70	49	68	56	80	53	82	58		
25..	68	55	88	57	91	59	69	58	94	62	92	61	69	56	93	60	91	63	93	67	61	73	62	92	64	91	66	91		
Mns	68.3	52.1	74.0	47.2	82.6	49.8	74.4	57.9	75.8	53.9	80.6	47.8	77.6	53.5	79.9	53.8	76.9	61.9	77.5	51.7	73.2	60.7	78.6	58.9	74.8	54.2	78.8	58.3		

Date.	New Haven, Conn.										New York.										Pennsylvania.							
	Addison.		Albany.		Binghamton.		Cooperstown.		Indian Lake.		New York.		Clearfield.		Easton.		Everett.		Harrisburg.		Philadelphia.		Scranton.		Wellsville.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1..	76	63	88	52	83	61	79	59	74	58	85	47	77	70	81	56	85	66	82	55	78	69	73	81	65	83	51	71
2..	79	60	88	50	83	60	82	56	75	54	90	36	87	81	67	84	54	82	62	83	63	84	64	82	64	85	55	73
3..	77	56	91	51	85	59	82	59	75	53	88	37	78	66	83	57	78	58	80	50	81	79	64	80	55	85	48	74
4..	73	56	87	42	78	61	75	53	70	53	85	43	69	58	86	48	74	58	80	47	77	59	67	62	70	54	86	45
5..	66	56	93	43	84	64	58	80	68	53	71	53	78	59	88	45	81	54	87	56	87	60	81	49	87	40	74	56
6..	79	61	95	54	79	61	83	56	78	56	75	55	76	64	89	53	84	58	86	63	85	66	80	64	88	58	88	56
7..	86	61	97	52	87	60	86	56	82	56	90	49	85	55	86	50	84	58	88	67	88	68	88	66	88	58	88	50
8..	93	67	102	54	95	65	94	56	86	58	99	52	91	70	97	53	93	64	95	57	95	69	92	71	94	62	96	52
9..	92	70	92	61	88	69	85	62	80	63	93	56	93	73	92	57	94	72	94	70	96	73	98	73	98	66	98	57
10..	83	62	85	62	78	60	73	53	70	60	76	48	83	65	85	57	84	69	89	87	87	66	88	77	88	66	88	57
11..	76	57	81	44	76	56	75	49	68	53	70	37	78	61	83	55	78	53	81	45	81	61	77	62	78	54	81	39
12..	78	58	83	45	79	51	79	50	76	48	75	36	79	62	80	53	78	55	75	57	70	62	78	63	78	57	82	42
13..	75	60	91	48	78	62	76	54	73	58	80	53	75	62	86	56	78	53	83	56	70	67	75	62	75	58	86	49
14..	74	58	84	57	79	61	77	56	78	51	79	44	75	64	80	48	78	56	80	65	77	60	76	63	75	57	86	41
15..	72	53	82	53	76	58	71	62</td																				

TABLE 3.—*Maximum and minimum temperatures at selected stations, August, 1909.* District No. 1—Continued.